

Work Order ID 163571-1

Thursday, June 29, 2017 3:57:50 PM

163571

Page 1

Item ID: D119-646-313

Accept

N9000040100

Setup Start

NS1

Revision ID:

Split

Item Name: Skidtube Protector, LH

Stop *NS2*

Start Date: 7/17/2017 Start Qty: 3.00

3
3

Cust Item ID:

Required Date: 7/19/2017 Req'd Qty: 3.00

Customer:

Reference:

Approvals: Process Plan:

Date: JUN 29 2017 Tooling:

Date:

Run Start *NR1*

QC:

Date: SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI9734

B

100

Document Control

JUL 10 2017

100

DOCUMENT CONTROL

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D119-646-313 CHG002

DAS
9
9-89

ML5 17-07-14

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

1

JUL 12 2017

DAS
27
9-89

JUL 14 2017

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.09

Quality Control

① 17.02.14

DAS
9
9-89

163571

Thursday, June 29, 2017 3:57:50 PM

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 7/17/2017 **Start Qty:** 3.00 ***3***

Cust Item ID:

Required Date: 7/19/2017 **Req'd Qty:** 3.00 ***3***

Customer:

Reference:

Run Start *NR1*

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

Stop *NR2*

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

0.00

130

Packaging

0.00

Packaging

Memo

Packaging

Identify and pack for shipping as per PPP D119-646-313

Location:

sold

**DAS
27
9-89**

JUL 14 2017

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.30

Quality Control

DAS
21
9.00

JUL 14 2017



JUL 14 2007

Picklist Print

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Page 1

Work Order ID: 163571

163571

Parent Item: D119-646-313

D119-646-313

Parent Item Name: Skidtube Protector, LH

Start Date: 7/17/2017

Required Date: 7/19/2017

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP REV:A 15.12.10 NEW ISSUE DD VERF:JLM
17.05.10 AS PER DSI9734 REV B DD VERF:JFS

IPP REV:B

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3904-1		Manufactured	No			110	Each	52.0000	6	18		JUL 12 2017	
---------	--	--------------	----	--	--	-----	------	---------	---	----	--	-------------	--

D3904-1

Washer

DAS
9
9-89

Location

Loc Qty

Loc Code

FP001

52

141452

32

152159

20

D4506-3		Manufactured	No			110	Each	24.0000	6	18		JUL 12 2017	
---------	--	--------------	----	--	--	-----	------	---------	---	----	--	-------------	--

D4506-3

Washer

DAS
9
9-89

Location

Loc Qty

Loc Code

ST107

24

157943

24

D5369-1		Manufactured	No			110	Each	0.0000	1	3			
---------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

D5369-1

Cable Guard

DAS
9
9-89

D5371-1		Manufactured	No			110	Each	0.0000	1	3			
---------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

D5371-1

Hook

DAS
9
9-89

D5372-1		Manufactured	No			110	Each	4.0000	1	3			
---------	--	--------------	----	--	--	-----	------	--------	---	---	--	--	--

D5372-1

Plug

DAS
9
9-89

Location

Loc Qty

Loc Code

ST166

4

157942

4

DAS
27
9-89

DAS
27
9-89

DAS
27
9-89

68-6
LZ
SVC

DAS
27
9-89

JUL 12 2017

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Page 2

Work Order ID: 163571

163571

Parent Item: D119-646-313

D119-646-313

Parent Item Name: Skidtube Protector, LH

Start Date: 7/17/2017

Required Date: 7/19/2017

Start Qty: 3.00

Required Qty: 3.00

D5374-1 Manufactured No

110 Each 15.0000 6 18

D5374-1

**

JUL 12 2017

DAS
27
9-89

Bushing

DAS
9
9-89

Location

Loc Qty

Loc Code

ST166

15

157941

15

D5374-3 Manufactured No

110 Each 10.0000 8 24

D5374-3

**

JUL 12 2017

DAS
27
9-89

Bushing

DAS
9
9-89

Location

Loc Qty

Loc Code

prelim

8

139857

8

ST166

2

157944

2

D5376-1 Manufactured No

110 Each 5.0000 1 3

D5376-1

**

JUL 12 2017

DAS
27
9-89

Drilling Tool

DAS
9
9-89

Location

Loc Qty

Loc Code

ST365

5

157940

5

AN3-47A Purchased No

110 Each 16.0000 6 18

AN3-47A

**

JUL 12 2017

DAS
27
9-89

Bolt

DAS
9
9-89

Location

Loc Qty

Loc Code

ST346

16

m138075

16

Picklist Print

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Page 3

Work Order ID: 163571

163571

Parent Item: D119-646-313

D119-646-313

Parent Item Name: Skidube Protector, LH

Start Date: 7/17/2017

Required Date: 7/19/2017

Start Qty: 3.00

Required Qty: 3.00

AN3-45A Purchased No

110 Each

11.0000

4 12

AN3-45A

**

Bolt

DAS
9
9-89

Location

Loc Qty

Loc Code

ST346

11

11

m137075

11

11

JUL 12 2017
M1380028

DAS
27
9-89

AN3-50A Purchased No

110 Each

14.0000

6 18

AN3-50A

**

Bolt

DAS
9
9-89

Location

Loc Qty

Loc Code

ST346

14

14

m137075

14

14

JUL 12 2017

DAS
27
9-89

NAS1149D0316J Purchased No

110 Each

691.0000

4 12

NAS1149D0316J

**

Washer

DAS
9
9-89

Location

Loc Qty

Loc Code

ST264

691

691

M134502

691

691

JUL 12 2017

DAS
27
9-89

NAS1149D0332J Purchased No

110 Each

764.0000

18 54

NAS1149D0332J

**

Washer

DAS
9
9-89

Location

Loc Qty

Loc Code

FP

187

187

m136015

8

8

m137075

179

179

GA

272

272

m136643

272

272

ST264

305

305

m136015

0

0

m137736

305

305

JUL 12 2017

DAS
27
9-89

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Page 3

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Page 4

Work Order ID: 163571

163571

Parent Item: D119-646-313

D119-646-313

Parent Item Name: Skidube Protector, LH

Start Date: 7/17/2017

Required Date: 7/19/2017

Start Qty: 3.00

Required Qty: 3.00

MS21042L3

Purchased

No

110

Each

1,447.000

10

30

MS21042L3

**

JUL 12 2017

Nut

DAS
9
9-89

Location

Loc Qty

Loc Code

FP001

79

m135945

79

GA

394

m134360

102

M136665

292

OVER007

500

m134360

0

m137886

500

ST303

474

m137680

474

DAS
27
9-89

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DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D119-646 REV. D
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D119-646 REV. 3
REF FAA STC: SR02024SE
REF EASA STC: 10040294

1.0 PURPOSE:

The purpose of this Dart Service Instructions is to add D119-646-313/-314 Skidtube Protector Kit to make the D119-646-011/-012/-041/-111/-112/-141/-211/-212/-241 Skidtube Kits compatible with the 109-0812-68-105 Hoist Structural Provision Kit and the 109-0816-18-301 Rappelling Kit. The D119-646-313 Skidtube Protector, LH replaces the 109-B710-05-201 kit and the D119-646-314 Skidtube Protector, RH replaces the 109-B710-05-202 kit.

B 2.0 D119-646-011/-012/-041/-111/-112/-141 MODIFICATION:

The following instructions are for modifying the D119-646-011/-012/-041/-111/-112/-141 Skidtube at CHG 004 and prior, to allow for D119-646-313/-314 Skidtube Protector Kit installation:

- 2.1 Remove D3492-045 Plug Assemblies from two locations on each side of the skidtube as shown in Figure 3.
- 2.2 Position D5376-1 drilling jig tool with the arrow pointing fwd as shown in Figure 3. Use 2x AN3-45A bolts to hold the jig in place. Transfer drill 4x $\varnothing 0.129$ " (#30 drill) holes from D5376-1 drilling jig to skidtube ridge as shown in Figure 3. **Caution:** Drill perpendicular to the skidtube ridge.
- 2.3 Remove drilling jig. Using a 5/16" drill, open up the pilot holes and drill through the skidtube ridge and center web inside of the skidtube. **Caution:** Drill perpendicular to the skidtube ridge.
- 2.4 Countersink 4x 5/16" holes to $\varnothing 0.348$ " (8.84mm) x 100° as shown in Figure 3 and deburr.
- 2.5 Repeat steps 2.2 to 2.4 for the opposite side of the skidtube.
- 2.6 Vacuum the debris from inside of the skidtube. Touch up affected area using (Alodine 1200 or 1201) per MIL-DTL-5541.
- 2.7 Install 8x D5374-3 Bushings in the new holes. Seal bushings with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant as shown in Section C-C.

D119-646-011/-012/-041/-111/-112/-141 Skidtube at CHG 005 and subsequent, do not require modification. Discard D5376-1 Drilling jig and D5374-3 Bushings.

B 3.0 D119-646-211/-212/-241 MODIFICATION:

The following instructions are for modifying the D119-646-211/-212 Skidtube at CHG 005 and prior, and D119-646-241 at CHG 004 and prior, to allow for D119-646-313/-314 Skidtube Protector Kit installation:

- 3.1 Temporarily remove D3849-043 Training Wearplate from aft end of the skidtube per ICA-D119-646 Section 32.
- 3.2 Position D5376-1 drilling jig tool with the arrow pointing fwd as shown in Figure 3. Use 2x AN3-45A bolts to hold the jig in place. Transfer drill 4x $\varnothing 0.129$ " (#30 drill) holes from D5376-1 drilling jig to skidtube ridge as shown in Figure 3. **Caution:** Drill perpendicular to the skidtube ridge.
- 3.3 Remove drilling jig. Using a 5/16" drill, open up the pilot holes and drill through the skidtube ridge and center web inside of the skidtube. **Caution:** Drill perpendicular to the skidtube ridge.
- 3.4 Countersink 4x 5/16" holes to $\varnothing 0.348$ " (8.84mm) x 100° as shown in Figure 3 and deburr.
- 3.5 Repeat steps 3.2 to 3.4 for the opposite side of the skidtube.
- 3.6 Vacuum the debris from inside of the skidtube. Touch up affected area using (Alodine 1200 or 1201) per MIL-DTL-5541.
- 3.7 Install 8x D5374-3 Bushings in the new holes. Seal bushings with Sikaflex-241/-291 or Proseal 890 or MIL-S-8802 Class 'B2' sealant as shown in Section C-C.

D119-646-211/-212 Skidtube at CHG 006 and subsequent, and D119-646-241 Skidtube at CHG 005 and subsequent, do not require modification. Discard D5376-1 Drilling jig and D5374-3 Bushings.

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163571

JUN 29 2017

B	REVISED DSI TO INCLUDE INSTALLATION INSTRUCTIONS FOR SKIDTUBE ASSY D119-646-011/-012/-111/-112/-041/-141/-241 CHG 005 & SUBSEQUENT AND SKIDTUBE ASSY D119-646-211/-212 CHG 006 & SUBSEQUENT. ADDED NAS1149D0316J WASHERS TO BOM.		WK	17.02.16
A	NEW ISSUE		RF	15.12.10
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	DART AEROSPACE USA, INC. EUGENE, OR		
DRAWN	WK			
CHECKED	VS	DRAWING NO.	REV. B	
MFG. APPR.	N/A	DSI 9734	SHEET 1 OF 10	
APPROVED	MS	TITLE	SCALE	
DE APPR.	DS	SKIDTUBE PROTECTOR KIT	NTS	
DATE	17.02.16			
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B 4.0 INSTALLATION OF D119-646-313/-314 ONTO D119-646-011/-012/-041/-111/-112/-141:

- 4.1 Remove all D3492-045 Plug Assemblies from skidtube fwd of the ground handling wheel lugs.
- 4.2 For installation of the D119-646-313/-314 Skidtube Protector Kit onto the D119-646-011/-012/-041/-111/-112/-141 Skidtube at CHG 005 and subsequent, Install NAS1149D0316J and NAS1149D0332J washers as shown in Detail G, Figure 6.
- 4.3 If the D119-646-314 Skidtube Protector Kit is required for hoisting operations on the RH side of the aircraft install D5372-1 Plug using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 4 Detail E. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 4.4 If the D119-646-313 Skidtube Protector Kit is required for hoisting operations on the LH side of the aircraft install D5372-1 Plug using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 4 Detail E. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 4.5 If the D119-646-314 Skidtube Protector Kit is required for rappelling operations on the RH side of the aircraft install D5371-2 Hook using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 5 Detail F. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 4.6 If the D119-646-313 Skidtube Protector Kit is required for rappelling operations on the LH side of the aircraft install D5371-1 Hook using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 5 Detail F. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 4.7 Install D5369-2 Cable Guard on the RH side of the aircraft using 6x AN3-47A bolts, 6x D5374-1 Bushings, 6x D4506-3 Washers, 12x NAS1149D0332J washers, 6x MS21042L3 nuts as shown in Figure 1 Section A-A. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 4.8 Install D5369-1 Cable Guard on the LH side of the aircraft using 6x AN3-47A bolts, 6x D5374-1 Bushings, 6x D4506-3 Washers, 12x NAS1149D0332J washers, 6x MS21042L3 nuts as shown in Figure 1 Section A-A. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 4.9 Update aircraft log book to indicate installation of the D119-646-313/-314 kit and adjust weight and balance record for the aircraft with weight and balance data provided in Section 7.0 of this document.

NOTE: Additional NAS1149D0332J washers may be installed under the nuts to ensure 1.5 - 4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN3 bolts provided with longer or shorter AN3 bolts, if required.

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MFG. APPR.	N/A	DSI 9734	SHEET 2 OF 10
APPROVED	VS	TITLE	SCALE
DE APPR.	DS	SKIDTUBE PROTECTOR KIT	NTS
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B 5.0 INSTALLATION OF D119-646-313/-314 ONTO D119-646-211/-212/-241:

- 5.1 Remove and discard all hardware attaching the training wearplates in front of the skidtube ground handling lugs.
- 5.2 For installation of the D119-646-313/-314 Skidtube Protector Kit onto the D119-646-211/-212 Skidtube at CHG 006 and subsequent, and D119-646-241 Skidtube at CHG 005 and subsequent, remove all D3492-045 Plug Assemblies from skidtube fwd of the ground handling wheel lugs & install NAS1149D0316J and NAS1149D0332J washers as shown in Detail G, Figure 6.
- 5.3 If the D119-646-314 Skidtube Protector Kit is required for hoisting operations on the RH side of the aircraft install D5372-1 Plug using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 4 Detail E. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 5.4 If the D119-646-313 Skidtube Protector Kit is required for hoisting operations on the LH side of the aircraft install D5372-1 Plug using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 4 Detail E. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 5.5 If the D119-646-314 Skidtube Protector Kit is required for rappelling operations on the RH side of the aircraft install D5371-2 Hook using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 5 Detail F. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 5.6 If the D119-646-313 Skidtube Protector Kit is required for rappelling operation on the LH side of the aircraft install D5371-1 Hook using 4x AN3-45A bolts, 8x NAS1149D0332J washer and 4x MS21042L3 nuts as shown in Section C-C and Figure 5 Detail F. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 5.7 Reinstall the D3849-043 Training Wearplate on the aft end of the skidtube per ICA-D119-646 Section 32, except for hardware under D5369-1/-2 Cable Guard.
- 5.8 Install D5369-2 Cable Guard on the RH side of the aircraft using 6x AN3-50A bolts, 6x D5374-1 Bushings, 6x D3904-1 Washers, 6x MS21042L3 nuts as shown in Figure 2 Section B-B. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 5.9 Install D5369-1 Cable Guard on the LH side of the aircraft using 6x AN3-50A bolts, 6x D5374-1 Bushings, 6x D3904-1 Washers, 6x MS21042L3 nuts as shown in Figure 2 Section B-B. Torque bolts to 15-25 in-lbs (1.7-2.8 N-m).
- 5.10 Update aircraft log book to indicate installation of the D119-646-313/-314 kit and adjust weight and balance record for the aircraft with weight and balance data provided in Section 7.0 of this document.

NOTE: Additional NAS1149D0332J washers may be installed under the nuts to ensure 1.5 - 4 threads in safety on the bolts. Although not generally necessary, it is also acceptable to replace the AN3 bolts provided with longer or shorter AN3 bolts, if required.

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6.0 PARTS LIST:

Qty. -313	Qty. -314	PART NUMBER	DESCRIPTION
X		D119-646-313	SKIDTUBE PROTECTOR, LH
	X	D119-646-314	SKIDTUBE PROTECTOR, RH
6	6	D3904-1	WASHER
6	6	D4506-3	WASHER
1		D5369-1	CABLE GUARD, LH
	1	D5369-2	CABLE GUARD, RH
1		D5371-1	HOOK, LH
	1	D5371-2	HOOK, RH
1	1	D5372-1	PLUG
6	6	D5374-1	BUSHING
8	8	D5374-3	BUSHING
1	1	D5376-1	DRILLING JIG
4	4	AN3-45A	BOLT
6	6	AN3-47A	BOLT
6	6	AN3-50A	BOLT
18	18	NAS1149D0332J	WASHER
4	4	NAS1149D0316J	WASHER
10	10	MS21042L3	NUT

B

7.0 WEIGHT AND BALANCE

The following weight and balance changes are applicable:

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-313 SKIDTUBE PROTECTOR, LH	4.3 lb 1.95 kg	108.1 in 4.3 m	465 in-lb 8.4 kg-m	-43.4 in 1.7 m	-187 in-lb -3.3 kg-m
D119-646-314 SKIDTUBE PROTECTOR, RH	4.3 lb 1.95 kg	108.1 in 4.30 m	465 in-lb 8.4 kg-m	43.4 in 1.7 m	187 in-lb 3.3 kg-m

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DE APPR.	DS	SKIDTUBE PROTECTOR KIT	NTS
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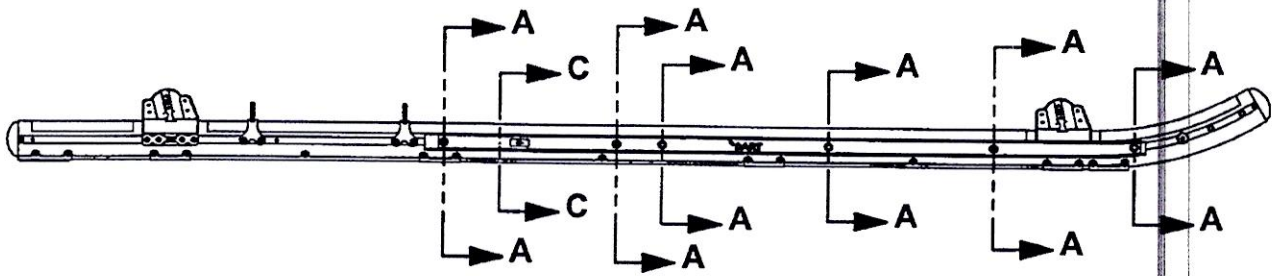


FIGURE 1: D119-646-314 SKIDTUBE PROTECTOR KIT, RH (SHOWN)
 (D119-646-313 SKIDTUBE PROTECTOR, LH (OPPOSITE))
 (SHOWN INSTALLED ON D119-646-011/-012/-111/-112 SKIDTUBES)

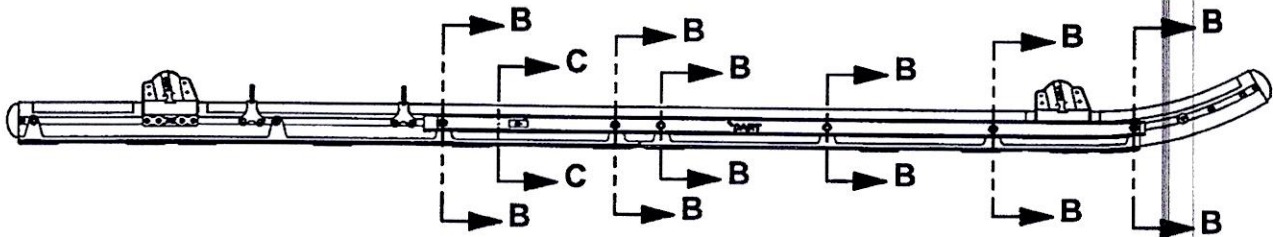


FIGURE 2: D119-646-314 SKIDTUBE PROTECTOR KIT, RH (SHOWN)
 (D119-646-313 SKIDTUBE PROTECTOR, LH (OPPOSITE))
 (SHOWN INSTALLED ON D119-646-211/-212 SKIDTUBES)

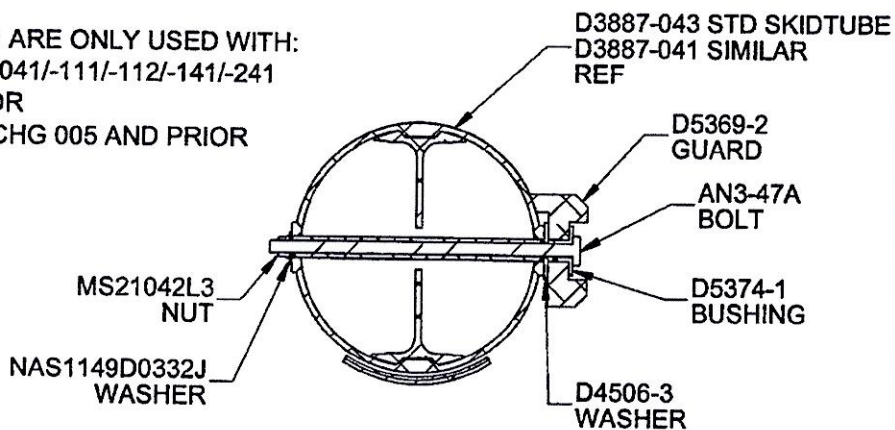
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DE APPR.	DS	SKIDTUBE PROTECTOR KIT	NTS
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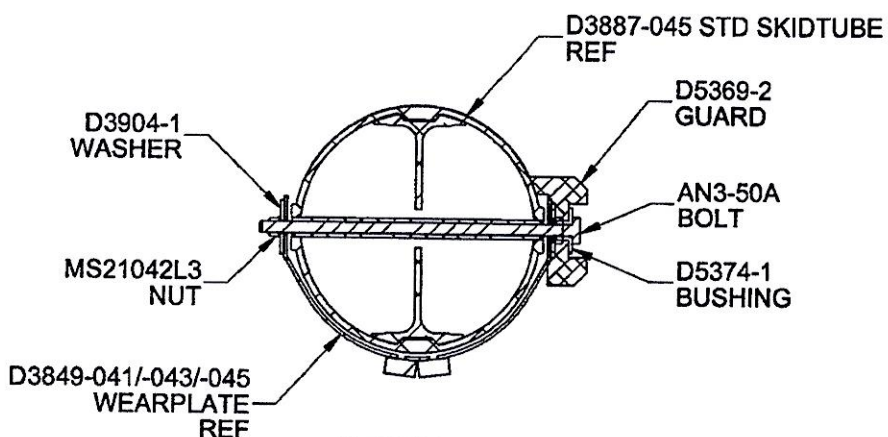
NOTES:



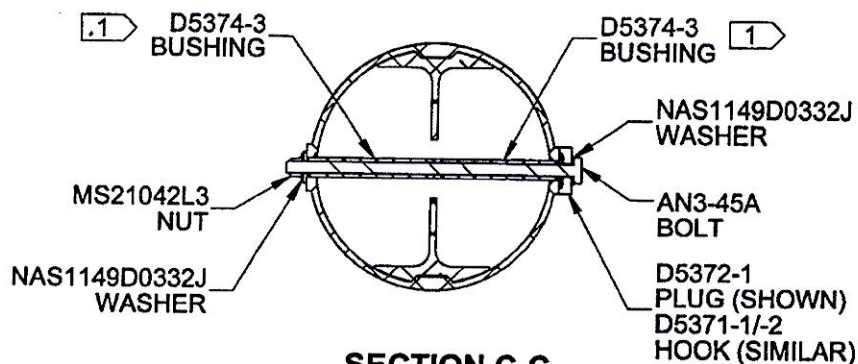
- 1) D5374-3 BUSHINGS ARE ONLY USED WITH:
 - D119-646-011/-012/-041/-111/-112/-141/-241
 CHG 004 AND PRIOR
 - D119-646-211/-212 CHG 005 AND PRIOR



SECTION A-A



SECTION B-B

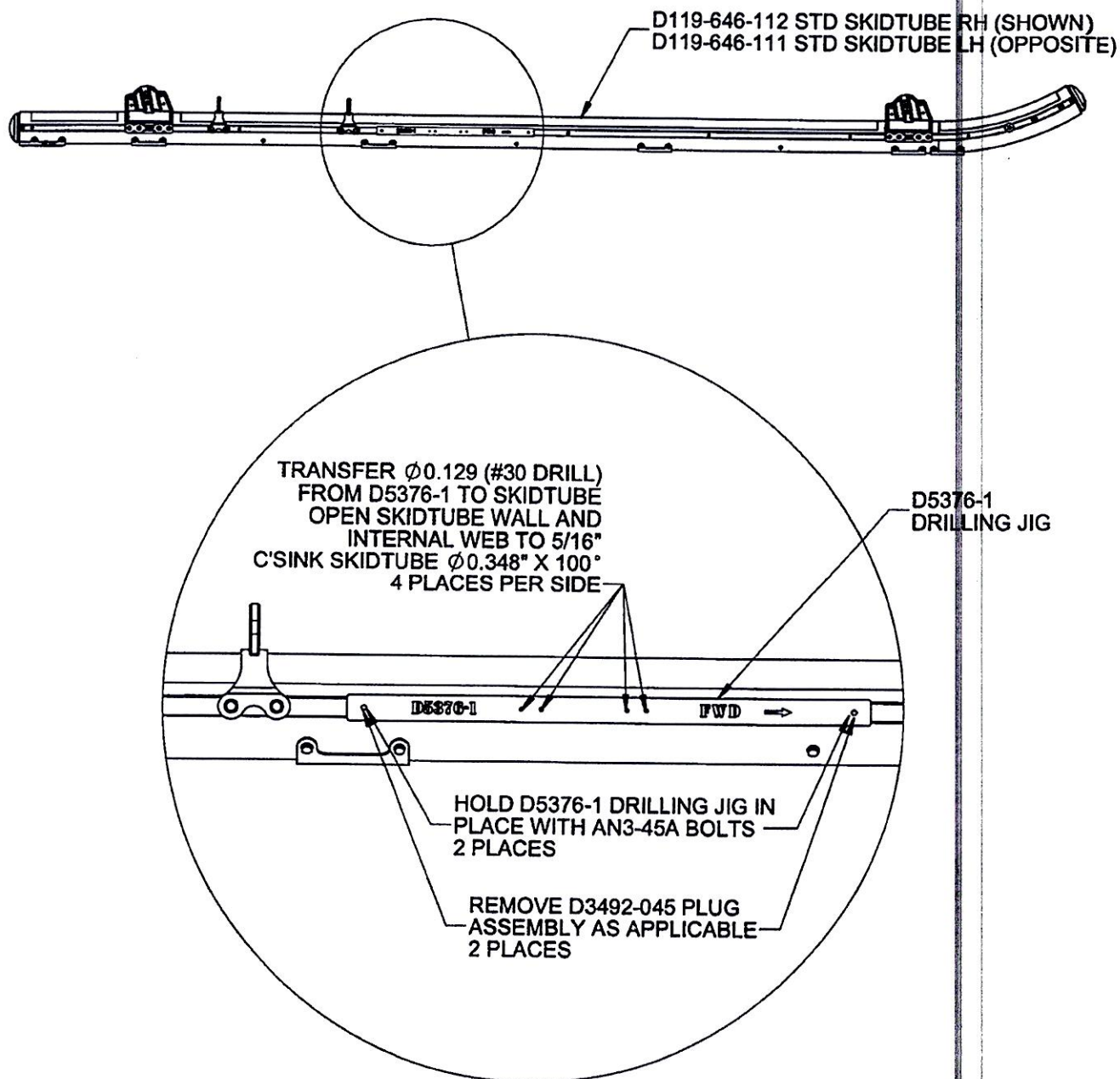


SECTION C-C

(D5369-2 NOT SHOWN FOR CLARITY)

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DETAIL D

FIGURE 3: USING D5376-1 DRILLING JIG



D5376-1 DRILLING JIG IS ONLY USED WITH SKIDTUBE ASSEMBLIES:
 - D119-646-011/-012/-041/-111/-112/-141/-241 CHG 004 AND PRIOR
 - D119-646-211/-212 CHG 005 AND PRIOR

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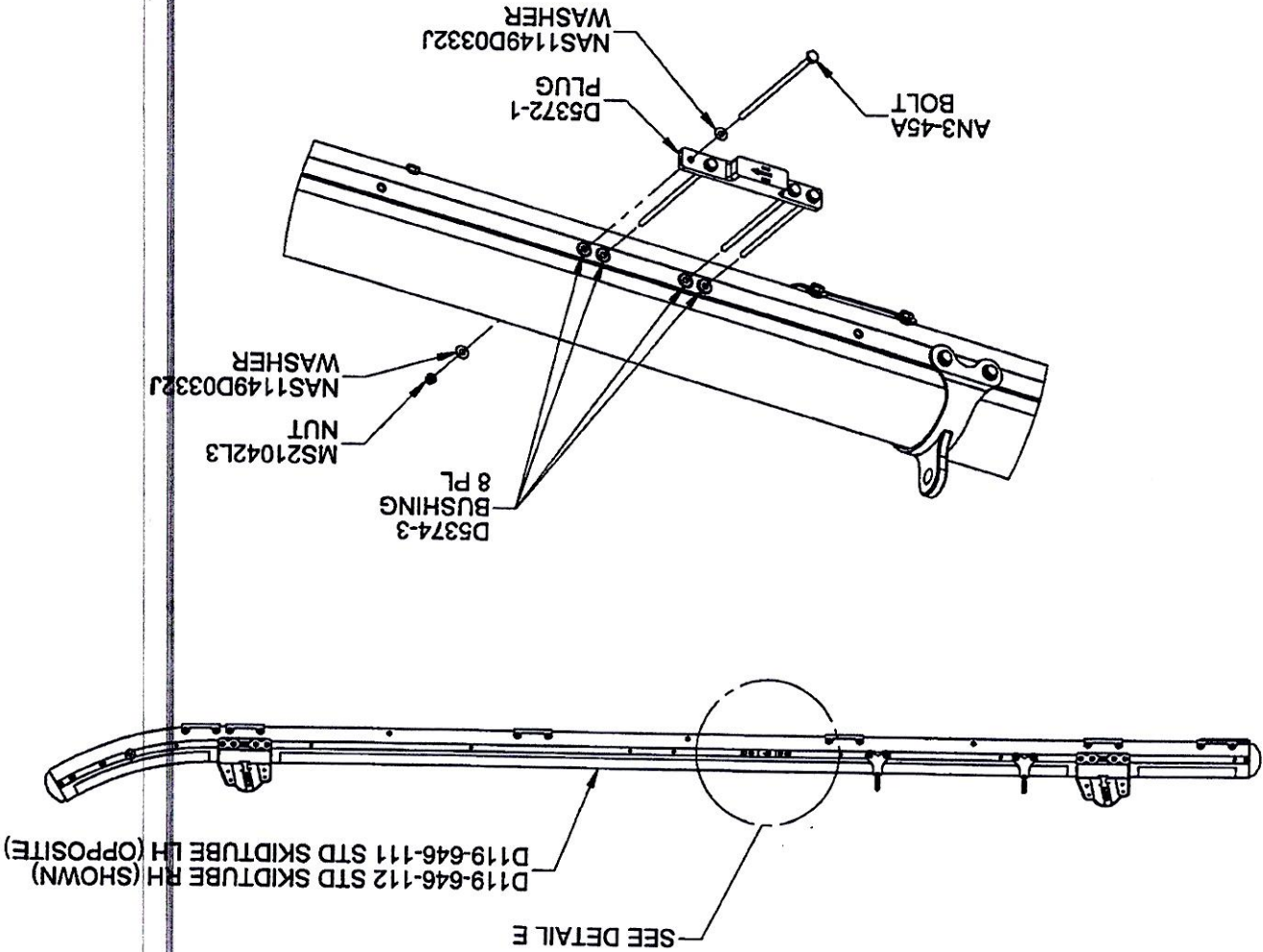
REV. B
SHEET 8 OF 10
SCALE
NTS

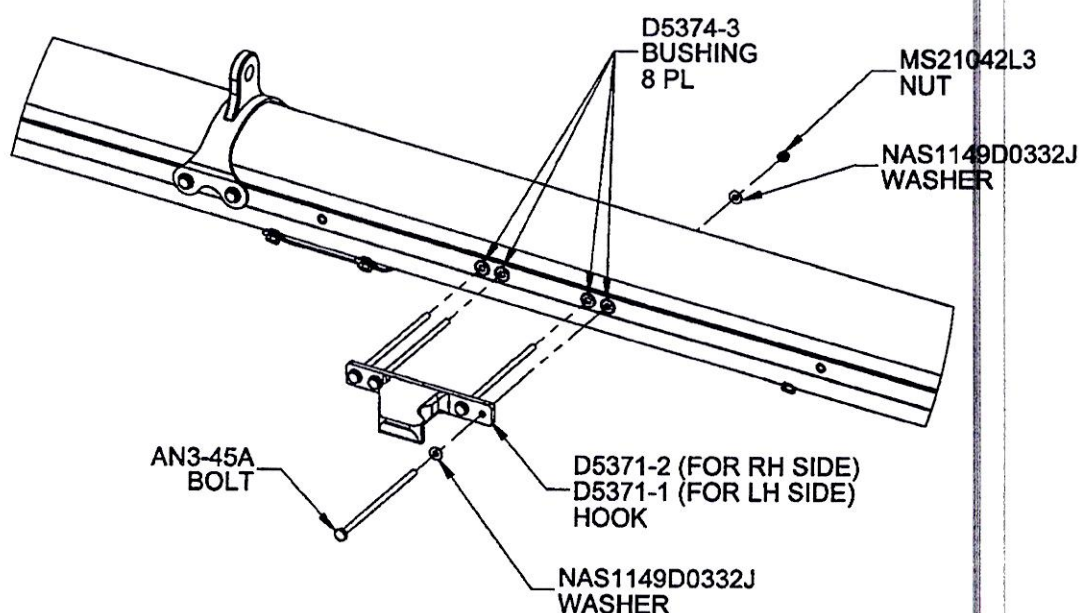
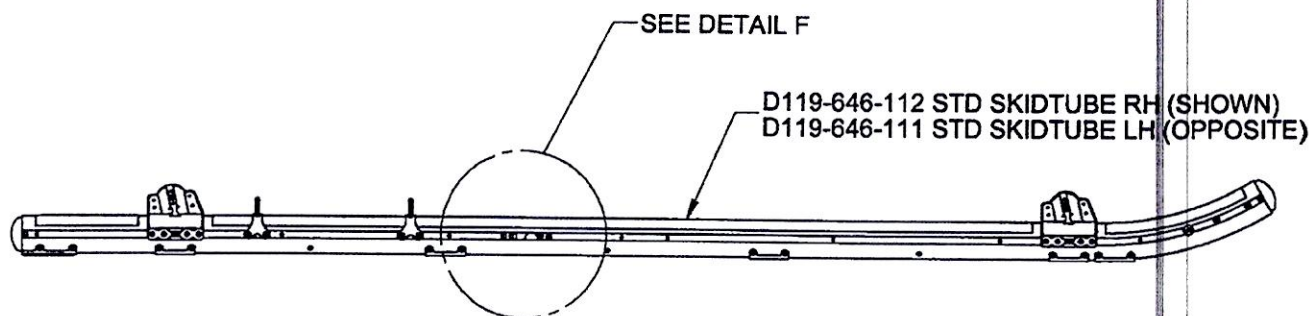
D5374-3 BUSHINGS ARE ONLY USED WITH SKIDTUBE ASSEMBLIES:
- D119-646-011/-012/-041/-111/-112/-141/-241 CHG 004 AND PRIOR
- D119-646-211/-212 CHG 005 AND PRIOR



FIGURE 4: D5372-1 PLUG INSTALLATION

DETAIL E





DETAIL F

FIGURE 5: D5371-1/-2 HOOK INSTALLATION



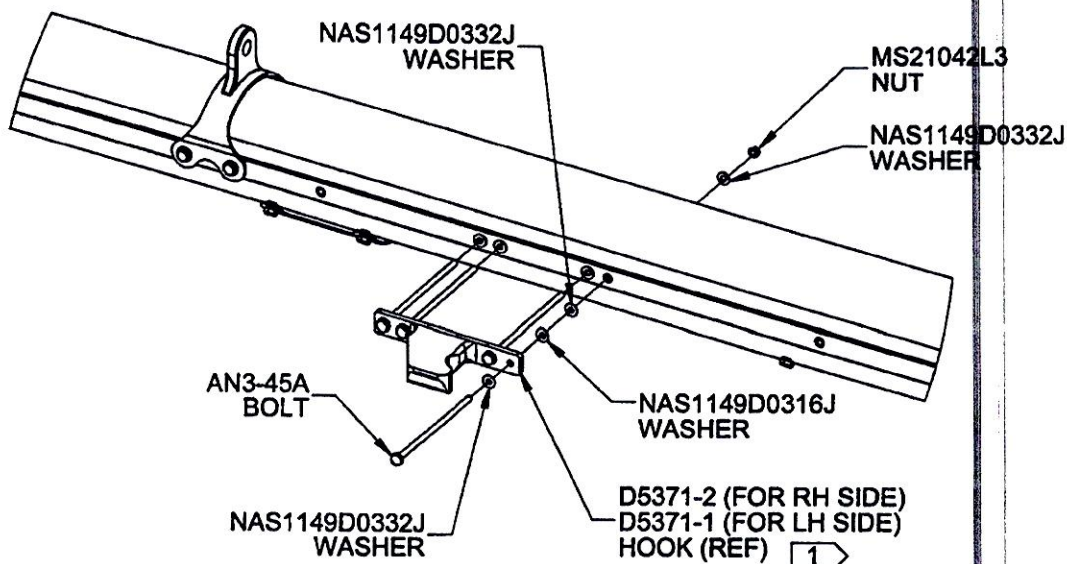
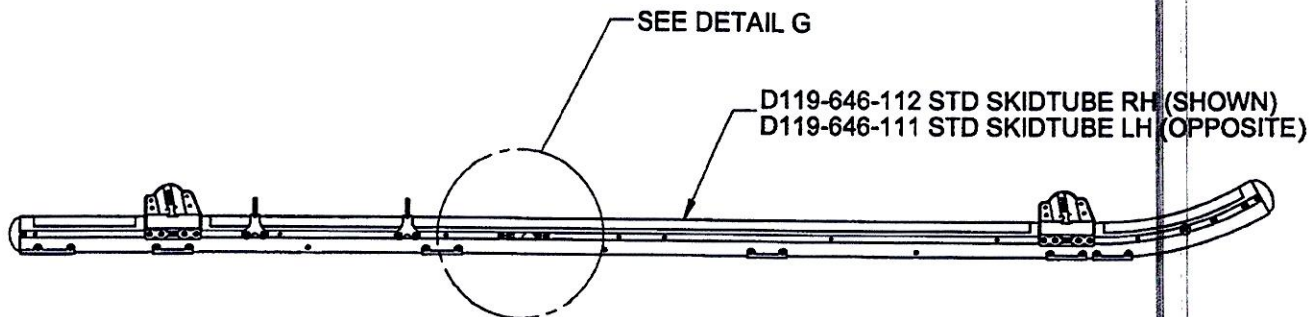
D5374-3 BUSHINGS ARE ONLY USED WITH SKIDTUBE ASSEMBLIES:
- D119-646-011/-012/-041/-111/-112/-141/-241 CHG 004 AND PRIOR
- D119-646-211/-212 CHG 005 AND PRIOR

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NOTES:

1) D5371-1/2 HOOK ASSEMBLY SHOWN, D5372-1 PLUG ASSEMBLY SIMILAR.



DETAIL G



FIGURE 6: HOOK & PLUG INSTALLATION

NAS1149D0316J and NAS1149D0332J WASHER BUILDUP IS ONLY USED WITH SKIDTUBE ASSEMBLIES:

- D119-646-011/-012/-041/-111/-112/-141/-241 CHG 005 AND SUBSEQUENT
- D119-646-211/-212 CHG 006 AND SUBSEQUENT

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Order Confirmation

Your Web Tracking Number is: W8979561

Your order number will be included in your order confirmation e-mail.

Thank you Chantal Lavoie, your order is complete!

[Shopping Cart](#) > [Shipping](#) > [Payment](#) > [Review](#) > **Confirmation**



Looking for your orders?

[Click here to track.](#)

ORDER STATUS

Message to Warehouse: no message

SHIPPING INFORMATION

Shipping Account Number: 86046019

Ship To Attention:

Chantal

ACCOUNTS PAYABLE

Lavoie

PAYMENT INFORMATION

Payment Type: Purchase Order

PO Number: po36895

Charge Code:

ORDER LEVEL ACCOUNTING CODES

SHIP-TO ADDRESS:

1270 ABERDEEN ST

HAWKESBURY, ON K6A 1K7

CA

You have chosen

Standard Shipping for this order.

Items

[Expand All](#) / [Collapse All](#)

Description	Catalog #	Availability	Unit	Qty	Your Price	Extended Price
☐ POTASSIUM IODIDE RG 100G.	470302-176	Direct from Supplier	EA	2	\$44.65	\$89.30
Availability: - Shipped directly from ALDON CORP SE, If availability is critical, please call VWR at 1-800-932-5000						
Charges:						
Warehouse Message no message						
Line Item Comments						
Line Accounting Data 1						

Item Subtotal =	\$89.30
Estimated Shipping =	\$27.79
Estimated Hazard =	\$0.00
Estimated Special Services / Handling / Fuel Surcharge =	\$0.00
Estimated GST/HST =	\$15.22
Estimated PST/QST =	\$0.00
Estimated Total =	\$132.31

DAS
9
9-89

REFERENCE ONLY

6.0 PARTS LIST:

Qty. -313	Qty. -314	PART NUMBER	DESCRIPTION
X		D119-646-313	SKIDTUBE PROTECTOR, LH
	X	D119-646-314	SKIDTUBE PROTECTOR, RH
6	6	D3904-1	WASHER
6	6	D4506-3	WASHER
1		D5369-1	CABLE GUARD, LH
	1	D5369-2	CABLE GUARD, RH
1		D5371-1	HOOK, LH
	1	D5371-2	HOOK, RH
1	1	D5372-1	PLUG
6	6	D5374-1	BUSHING
8	8	D5374-3	BUSHING
1	1	D5376-1	DRILLING JIG
4	4	AN3-45A	BOLT
6	6	AN3-47A	BOLT
6	6	AN3-50A	BOLT
18	18	NAS1149D0332J	WASHER
4	4	NAS1149D0316J	WASHER
10	10	MS21042L3	NUT

B

7.0 WEIGHT AND BALANCE

The following weight and balance changes are applicable:

Installation	Weight	LONGITUDINAL		LATERAL	
		Arm	Moment	Arm	Moment
D119-646-313 SKIDTUBE PROTECTOR, LH	4.3 lb 1.95 kg	108.1 in 4.3 m	465 in-lb 8.4 kg-m	-43.4 in 1.7 m	-187 in-lb -3.3 kg-m
D119-646-314 SKIDTUBE PROTECTOR, RH	4.3 lb 1.95 kg	108.1 in 4.30 m	465 in-lb 8.4 kg-m	43.4 in 1.7 m	187 in-lb 3.3 kg-m

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DART Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 1-613-632-3336 Fax: 1-613-632-4443
sales@dartaero.com

SHIPPING PICKLIST

Shiplist ID : PL141526
Shiplist Date : 7/14/2017
Sales Order ID : SO131466

Customer POID : 4801554849/01

Page Number : 1 of 1

Customer Is On Credit Hold

Bill To :
CAGUS02
AGUSTAWESTLAND PHILADELPHIA CORP
3050 RED LION ROAD
PHILADELPHIA, PENNSYLVANIA 19114
UNITED STATES

Ship To :
AGUSTA WESTLAND
AAC FINAL ASSY DEPT, 3076 RED LION ROAD
PHILADELPHIA, PENNSYLVANIA 19114-0002
UNITED STATES
215-268-9134

Buyer:	TONI DEVER	Contact Name:	TONI DEVER	Ship From:	MAIN WAREHOUSE
Order Date:	6/29/2017 3:39:49 PM	Contact Phone:	215-268-9134		DART AEROSPACE LTD
Partial Ship:	No	Contact Phone Ext.:			1270 ABERDEEN
FOB:	Ex Works DART Aerospace				HAWKESBURY, ON K6A 1K7 CANADA
				Ship From Phone:	613 632 5200

Line Nbr	Item ID Item Name	Repl Item ID	Rev Level Harmonize Code:	Req Date Promise Date	Req Qty/ Sales U/M	To Pick Qty/ Stock U/M	Backorder Qty	Primary/ Last Location	Picked Qty	Emp ID
1	D119-646-313 Skidtube Protector, LH		8803.20.0060	7/14/2017 7/14/2017	1.0000 Each	1.0000 Each	1.0000 Each			

Ship Method: FedEx Overnight

* DO NOT INSURE SHIPMENT

DAS
27
9-89

JUL 14 2017

Special Inst: CAITLIN - FEDEX OVERNIGHT **PACK FOR AIR SHIPMENT

Customer Comments: ADD DSI9652 WHEN QUOTING/ORDERING d119-642-xxx. NO CHARGE, SEPERATE LINE ITEM

Sales Order Revision: 1

Thank You!